

=> d que 147

L2 13 SEA FILE=REGISTRY ABB=ON PLU=ON (10096-91-0/BI OR
117-99-7/BI OR 136-36-7/BI OR 14848-04-5/BI OR 25038-59-9/B
I OR 25230-87-9/BI OR 459856-74-7/BI OR 463-52-5/BI OR
471-46-5/BI OR 65-85-0/BI OR 669005-94-1/BI OR 70321-86-7/B
I OR 9020-73-9/BI)

L4 8 SEA FILE=REGISTRY ABB=ON PLU=ON "C28 H23 F3 N6"/MF

L5 2 SEA FILE=REGISTRY ABB=ON PLU=ON L4 AND PYRIDINECARBONITRI
L?

L7 1 SEA FILE=REGISTRY ABB=ON PLU=ON "C43 H39 N9 O9"/MF

L8 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L5

L9 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L7

L10 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 OR L9

L25 486 SEA FILE=REGISTRY ABB=ON PLU=ON BENZOTRIAZOLE?/CNS AND
HYDROXYPHENYL?/CNS

L26 72 SEA FILE=REGISTRY ABB=ON PLU=ON L25 AND 2-2-HYDROXY?

L27 1 SEA FILE=REGISTRY ABB=ON PLU=ON 2-HYDROXYBENZOPHENONE/CN

L28 1 SEA FILE=REGISTRY ABB=ON PLU=ON FORMAMIDINE/CN

L29 3597 SEA FILE=REGISTRY ABB=ON PLU=ON RESORCINOL?/CNS

L30 715 SEA FILE=REGISTRY ABB=ON PLU=ON 1,3,5-TRIAZINE//CNS AND
HYDROXYPHENYL?/CNS

L31 1 SEA FILE=REGISTRY ABB=ON PLU=ON C7 H6 O2/MF AND L2

L32 1 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C9 H7 N3 O/MF

L33 1 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C13 H10 O2/MF

L34 1 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C13 H10 O3/MF

L35 1 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C30 H29 N3 O/MF

L36 1 SEA FILE=REGISTRY ABB=ON PLU=ON L2 AND C12 H9 N3 O/MF

L37 6 SEA FILE=REGISTRY ABB=ON PLU=ON (L31 OR L32 OR L33 OR
L34 OR L35 OR L36)

L40 37964 SEA FILE=HCAPLUS ABB=ON PLU=ON L37

L41 5696 SEA FILE=HCAPLUS ABB=ON PLU=ON L26

L42 779 SEA FILE=HCAPLUS ABB=ON PLU=ON L27

L43 499 SEA FILE=HCAPLUS ABB=ON PLU=ON L28

L44 55309 SEA FILE=HCAPLUS ABB=ON PLU=ON L29

L45 2271 SEA FILE=HCAPLUS ABB=ON PLU=ON L30

L46 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 AND (L40 OR L41 OR
L42 OR L43 OR L44 OR L45)

L47 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L10 OR L46

=> d 147 1-4 ibib ed abs hitstr hitind

L47 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:612184 HCAPLUS Full-text

DOCUMENT NUMBER: 143:134158

TITLE: Method of protecting organic material such as
foods and pharmaceuticals from light

INVENTOR(S): Jandke, Joachim

PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.

SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005063592 A1 20050714 WO 2004-EP53418 20041213

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1697227 A1 20060906 EP 2004-804782 20041213

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

JP 2007523224 T 20070816 JP 2006-546155 20041213

US 2007157401 A1 20070712 US 2006-583597 20060620

IN 2006CN02272 A 20070608 IN 2006-CN2272 20060622

MX 2006PA07267 A 20060809 MX 2006-PA7267 20060623

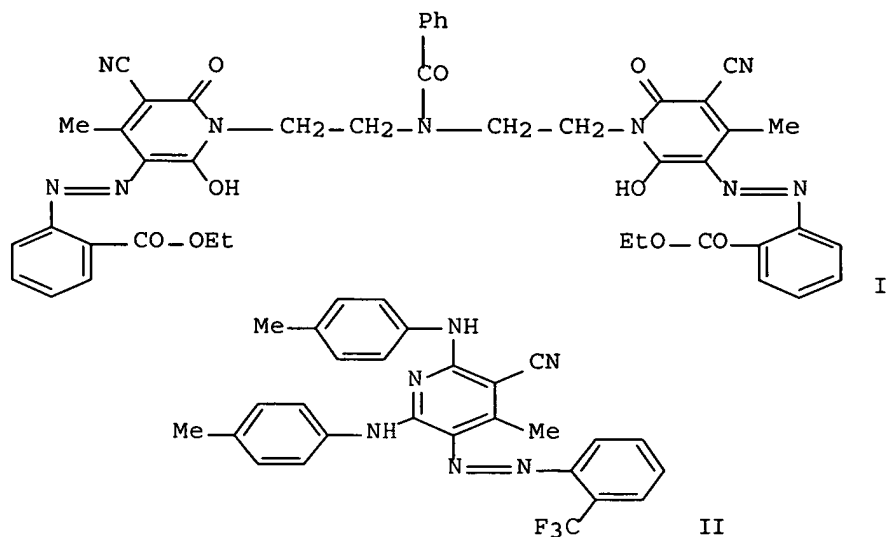
PRIORITY APPLN. INFO.:

EP 2003-104945 A 20031223

WO 2004-EP53418 W 20041213

ED Entered STN: 15 Jul 2005

GI



AB The invention relates to a method of protecting organic material, especially from the pharmaceutical, food and nutrition sectors, from light, which method comprises applying to or incorporating in a carrier material, such as PET, a combination of the dye I, the dye II, and a UV absorber and, optionally, further dyes, and positioning the so-treated carrier material between the light source and the organic material to be protected. The use of I and II

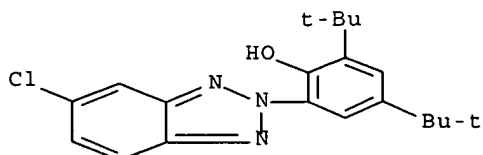
improves the ability of the UV absorbers to protect the organic material from 400-500-nm light.

IT 3864-99-1 3896-11-5 25973-55-1
70321-86-7

(UV absorber; protecting foods and pharmaceuticals from light by PET-based barriers containing combinations of pyridine group-containing azo dyes and UV absorbers)

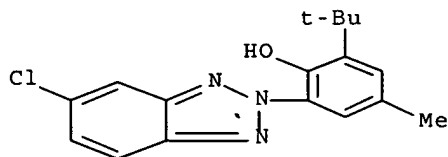
RN 3864-99-1 HCAPLUS

CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-
(CA INDEX NAME)



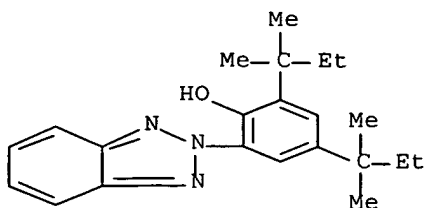
RN 3896-11-5 HCAPLUS

CN Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl- (CA INDEX NAME)



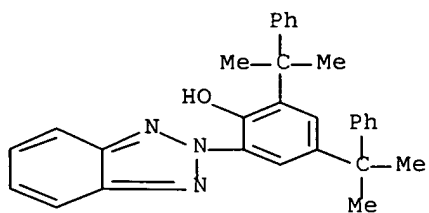
RN 25973-55-1 HCAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- (CA INDEX NAME)



RN 70321-86-7 HCAPLUS

CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (CA INDEX NAME)

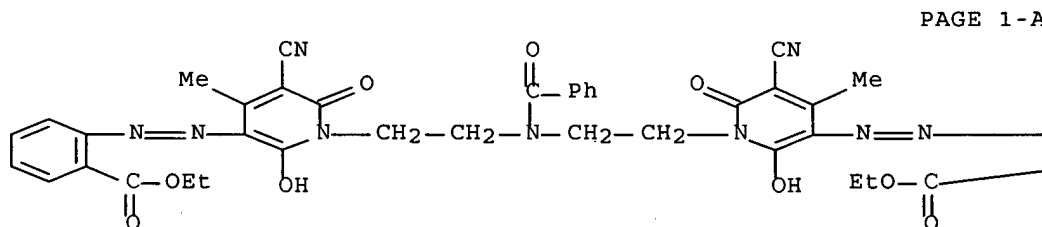


IT 459856-74-7 669005-94-1

(protecting foods and pharmaceuticals from light by PET-based barriers containing combinations of pyridine group-containing azo dyes and UV absorbers)

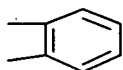
RN 459856-74-7 HCAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI)
(CA INDEX NAME)



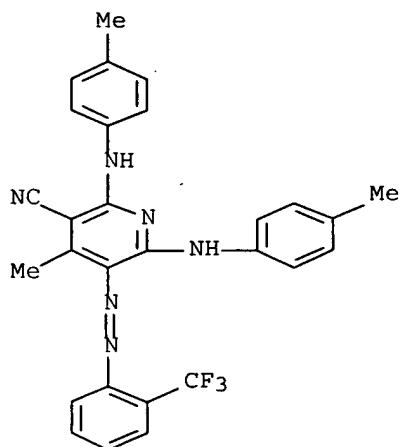
PAGE 1-A

PAGE 1-B



RN 669005-94-1 HCAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[2-[2-(trifluoromethyl)phenyl]diazenyl]- (CA INDEX NAME)



IC ICM B65D065-16
 ICS B65D065-20; B65D081-30; C09B067-22; C08J003-20; B65B055-00
 CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 17, 63
 IT 3864-99-1 3896-11-5 25973-55-1
 70321-86-7
 (UV absorber; protecting foods and pharmaceuticals from light by
 PET-based barriers containing combinations of pyridine group-containing azo
 dyes and UV absorbers)
 IT 459856-74-7 669005-94-1
 (protecting foods and pharmaceuticals from light by PET-based
 barriers containing combinations of pyridine group-containing azo dyes and
 UV absorbers)
 REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L47 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:203879 HCAPLUS Full-text
 DOCUMENT NUMBER: 140:236566
 TITLE: Producing of UV-absorber-containing colored
 plastics or polymeric particles and polyester beer
 bottles prepared thereby
 INVENTOR(S): Christensen, Ian
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 15 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004020505	A1	20040311	WO 2003-EP9268	20030821
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,				

ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

CA 2496559	A1	20040311	CA 2003-2496559	20030821
AU 2003270091	A1	20040319	AU 2003-270091	20030821
EP 1532196	A1	20050525	EP 2003-750420	20030821

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

BR 2003013809	A	20050705	BR 2003-13809	20030821
CN 1678666	A	20051005	CN 2003-820486	20030821
JP 2005536616	T	20051202	JP 2004-532102	20030821
ZA 2005000956	A	20060329	ZA 2005-956	20050202
US 2006160933	A1	20060720	US 2005-524008	20050208
MX 2005PA02144	A	20050523	MX 2005-PA2144	20050224
IN 2005CN00494	A	20070907	IN 2005-CN494	20050329

PRIORITY APPLN. INFO.: CH 2002-1483 A 20020830

WO 2003-EP9268 W 20030821

ED Entered STN: 14 Mar 2004
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

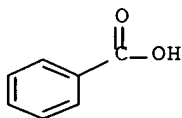
AB Colored plastics or polymeric particles are prepared by using dye (I), dye (II), a UV absorber, such as 2-hydroxybenzophenones and oxamides, and, optionally, dye (III), and colored polyethylene terephthalate (PET) or polyethylene naphthalate (PEN) beer bottles are also provided. Thus, PET (Arnite D 04-300) 1200 g, dye I 0.16 g, dye II 0.22 gm and UV absorber (IV) 2.4 g were mixed to obtain yellow-brown polyester granules.

IT 65-85-0D, Benzoic acid, derivs., esters 117-99-7,
 2-Hydroxybenzophenone 136-36-7, Resorcinol monobenzoate
 463-52-5, Formamidine 10096-91-0,
 2-(2'-Hydroxyphenyl)benzotriazole 14848-04-5,
 2-(2-Hydroxyphenyl)-1,3,5-triazine 70321-86-7

(UV absorber; producing of UV-absorber-containing colored plastics or polymeric particles for polyester beer bottles)

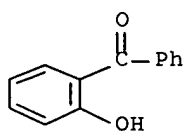
RN 65-85-0 HCAPLUS

CN Benzoic acid (CA INDEX NAME)

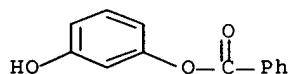


RN 117-99-7 HCAPLUS

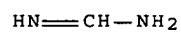
CN Methanone, (2-hydroxyphenyl)phenyl- (CA INDEX NAME)



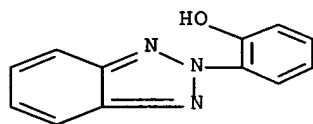
RN 136-36-7 HCAPLUS
 CN 1,3-Benzenediol, 1-benzoate (CA INDEX NAME)



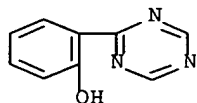
RN 463-52-5 HCAPLUS
 CN Methanimidamide (9CI) (CA INDEX NAME)



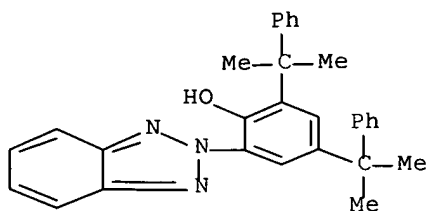
RN 10096-91-0 HCAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)- (CA INDEX NAME)



RN 14848-04-5 HCAPLUS
 CN Phenol, 2-(1,3,5-triazin-2-yl)- (CA INDEX NAME)



RN 70321-86-7 HCAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (CA INDEX NAME)



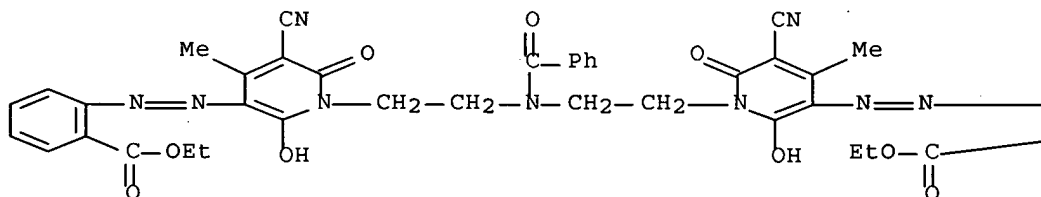
IT 459856-74-7 669005-94-1

(producing of UV-absorber-containing colored plastics or polymeric particles for polyester beer bottles)

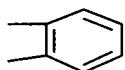
RN 459856-74-7 HCAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI)
(CA INDEX NAME)

PAGE 1-A

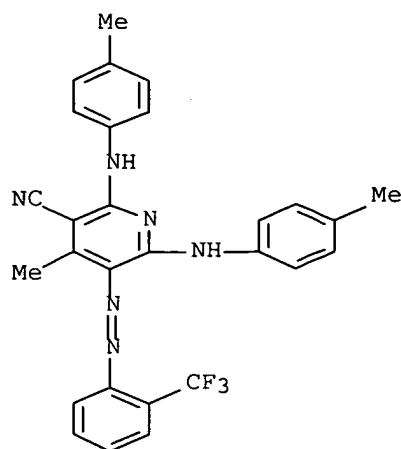


PAGE 1-B



RN 669005-94-1 HCAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(4-methylphenyl)amino]-5-[2-[2-(trifluoromethyl)phenyl]diazenyl]- (CA INDEX NAME)



IC ICM C08J
 CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 38, 41
 IT 65-85-0D, Benzoic acid, derivs., esters 117-99-7,
 2-Hydroxybenzophenone 136-36-7, Resorcinol monobenzoate
 463-52-5, Formamidine 471-46-5, Oxamide 10096-91-0
 , 2-(2'-Hydroxyphenyl)benzotriazole 14848-04-5,
 2-(2-Hydroxyphenyl)-1,3,5-triazine 70321-86-7
 (UV absorber; producing of UV-absorber-containing colored plastics or
 polymeric particles for polyester beer bottles)
 IT 459856-74-7 669005-94-1
 (producing of UV-absorber-containing colored plastics or polymeric
 particles for polyester beer bottles)
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L47 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:716384 HCAPLUS Full-text
 DOCUMENT NUMBER: 137:249068
 TITLE: Pyridone azo dyes, their production and their use
 in polymeric materials
 INVENTOR(S): Tzikas, Athanassios; Lauk, Urs; Dreier, Romeo;
 Clement, Antoine
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002072707	A1	20020919	WO 2002-EP2150	20020228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				

10/524,008

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

CA 2434837	A1	20020919	CA 2002-2434837	20020228
AU 2002235921	A1	20020924	AU 2002-235921	20020228
EP 1368431	A1	20031210	EP 2002-702379	20020228
EP 1368431	B1	20071205		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

CN 1496388	A	20040512	CN 2002-806197	20020228
BR 2002007944	A	20040727	BR 2002-7944	20020228
JP 2004526836	T	20040902	JP 2002-571768	20020228
AT 380221	T	20071215	AT 2002-702379	20020228
MX 2003PA06339	A	20031006	MX 2003-PA6339	20030716
US 2004123403	A1	20040701	US 2003-469889	20030905
US 6953846	B2	20051011		

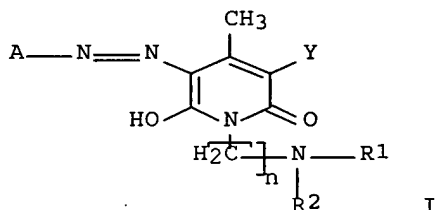
PRIORITY APPLN. INFO.:

CH 2001-440	A	20010309
CH 2001-822	A	20010507
CH 2001-1386	A	20010725
WO 2002-EP2150	W	20020228

OTHER SOURCE(S): MARPAT 137:249068

ED Entered STN: 20 Sep 2002

GI



AB The present invention relates to pyridone azo dyes (I; A = diazo component residue; R1 = H, optionally hydroxyl- or phenyl-substituted C1-6-alkyl, azo pyridone derivative, ester, amide, keto; R2 = azo pyridone derivative, ester, amide, keto; R1R2N may form a heterocycle; Y = cyano, CONH2, CH2SO3H; n = 2-6) and a process for their preparation and to their use in the production colored plastics or polymeric color particles. I show very good heat and migration resistance and tinctorial strength. In an example, ethylenediamine, Et cyanoacetate, and Et acetoacetate were cyclocondensed to give a pyridone derivative which was benzoylated to provide a coupling component; application of diazotized Et anthranilate gave a yellow dye for mass dyeing of polyester.

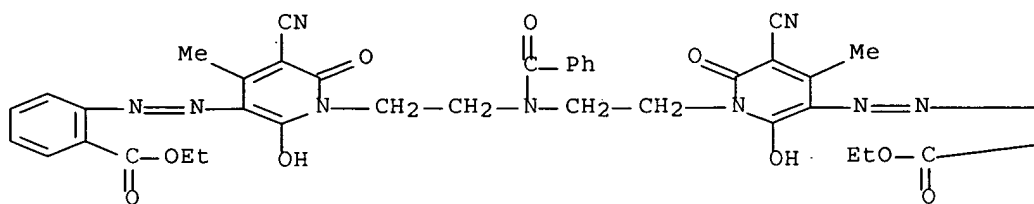
IT 459856-74-7P

(yellow dye; production of yellow pyridone azo dyes for mass dyeing of polyester)

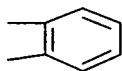
RN 459856-74-7 HCAPLUS

CN Benzoic acid, 2,2'-[(benzoylimino)bis[2,1-ethanediyl(5-cyano-2-hydroxy-4-methyl-6-oxo-1,3(6H)-pyridinediyl)azo]]bis-, diethyl ester (9CI)
(CA INDEX NAME)

PAGE 1-A



PAGE 1-B



IC ICM C09B029-36
ICS D06P001-00; C07D213-85
CC 41-3 (Dyes, Organic Pigments, Fluorescent Brighteners, and
Photographic Sensitizers)
Section cross-reference(s): 27, 37
IT 459856-74-7P 459856-78-1P
(yellow dye; production of yellow pyridone azo dyes for mass dyeing of
polyester)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L47 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:575156 HCAPLUS Full-text

DOCUMENT NUMBER: 137:141843

TITLE: Azo dyes, their production and their use in
manufacture of colored plastics

INVENTOR(S): Clement, Antoine; Andreoli, Anton; Lauk, Urs;
Tzikas, Athanassios

PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059215	A1	20020801	WO 2002-EP510	20020118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,				

10/524,008

NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
 TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
 CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
 SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

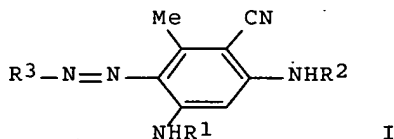
AU 2002229715	A1	20020806	AU 2002-229715	20020118
EP 1366122	A1	20031203	EP 2002-710804	20020118
EP 1366122	B1	20071017		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
 PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004529218	T	20040924	JP 2002-559505	20020118
AT 376034	T	20071115	AT 2002-710804	20020118
US 2004031109	A1	20040219	US 2003-470040	20030723
US 7029502	B2	20060418		

PRIORITY APPLN. INFO.:		EP 2001-810081	A	20010126
		WO 2002-EP510	W	20020118

OTHER SOURCE(S): MARPAT 137:141843
 ED Entered STN: 02 Aug 2002
 GI



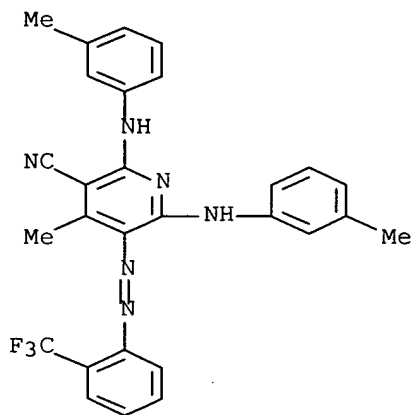
AB The invention relates to azo dyes (I; R1, R2 = optionally substituted aryl; R3 = diazo component group), their production, and their use in mass coloration of plastics or polymeric particles. The dyes have good coloristic and fastness properties. In an example, a coupling component was prepared from 1 mol 2,6-dichloro-3-cyano-4-methylpyridine and 2 mol p-toluidine and used with diazotized 2-amino-5-nitrobenzotrifluoride to give a red azo dye suitable for polyester.

IT 444576-06-1

(red dye; azo dyes for bulk dyeing of polyester)

RN 444576-06-1 HCAPLUS

CN 3-Pyridinecarbonitrile, 4-methyl-2,6-bis[(3-methylphenyl)amino]-5-[[2-(trifluoromethyl)phenyl]azo]- (9CI) (CA INDEX NAME)



IC ICM C09B029-36

CC 41-3 (Dyes, Organic Pigments, Fluorescent Brighteners, and
Photographic Sensitizers)

Section cross-reference(s): 37

IT 444576-05-0 444576-06-1 444576-07-2

(red dye; azo dyes for bulk dyeing of polyester)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

=> d his nofile

(FILE 'HOME' ENTERED AT 15:24:24 ON 01 FEB 2008)

FILE 'HCAPLUS' ENTERED AT 15:25:09 ON 01 FEB 2008

L1 1 SEA ABB=ON PLU=ON US20060160933/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 15:25:21 ON 01 FEB 2008

L2 13 SEA ABB=ON PLU=ON (10096-91-0/BI OR 117-99-7/BI OR
136-36-7/BI OR 14848-04-5/BI OR 25038-59-9/BI OR 25230-87-9
/BI OR 459856-74-7/BI OR 463-52-5/BI OR 471-46-5/BI OR
65-85-0/BI OR 669005-94-1/BI OR 70321-86-7/BI OR 9020-73-9/
BI)
L3 1 SEA ABB=ON PLU=ON L2 AND C28 H23 F3 N6/MF
E C28 H23 F3 N6/MF
L4 8 SEA ABB=ON PLU=ON "C28 H23 F3 N6"/MF
L5 2 SEA ABB=ON PLU=ON L4 AND PYRIDINECARBONITRIL?
L6 1 SEA ABB=ON PLU=ON L2 AND C43 H39 N9 O9/MF
E C43 H39 N9 O9/MF
L7 1 SEA ABB=ON PLU=ON "C43 H39 N9 O9"/MF

FILE 'HCAPLUS' ENTERED AT 15:29:46 ON 01 FEB 2008

L8 3 SEA ABB=ON PLU=ON L5
L9 3 SEA ABB=ON PLU=ON L7
L10 4 SEA ABB=ON PLU=ON L8 OR L9

FILE 'REGISTRY' ENTERED AT 15:32:28 ON 01 FEB 2008

L11 STR
L12 50 SEA SSS SAM L11
L13 3933 SEA ABB=ON PLU=ON 3593.8/RID
L14 208048 SEA ABB=ON PLU=ON PES/PCT
L15 83 SEA ABB=ON PLU=ON L13 AND L14
E C32H16CUN8/MF
L16 14 SEA ABB=ON PLU=ON C32H16CUN8/MF

FILE 'HCAPLUS' ENTERED AT 15:41:03 ON 01 FEB 2008

L17 18 SEA ABB=ON PLU=ON L15
L18 16694 SEA ABB=ON PLU=ON L16
L19 0 SEA ABB=ON PLU=ON L17 AND L18
L20 1336 SEA ABB=ON PLU=ON L13
L21 7 SEA ABB=ON PLU=ON L18 AND L20

FILE 'REGISTRY' ENTERED AT 15:43:25 ON 01 FEB 2008

E ACRYLATES/CN
E ACRYLATE/CN
L22 1 SEA ABB=ON PLU=ON ACRYLATE/CN
L23 0 SEA ABB=ON PLU=ON BENZOTRIAZOLES?/CNS AND HYDROXYPHENYL?/
CNS
L24 2730 SEA ABB=ON PLU=ON BENZOTRIAZOL?/CNS AND HYDROXYPHENYL?/CN
S
L25 486 SEA ABB=ON PLU=ON BENZOTRIAZOLE?/CNS AND HYDROXYPHENYL?/C
NS
L26 72 SEA ABB=ON PLU=ON L25 AND 2-2-HYDROXY?
E 2-HYDROXYBENZOPHENONE/CN
L27 1 SEA ABB=ON PLU=ON 2-HYDROXYBENZOPHENONE/CN
E FORMAMIDINE/CN
L28 1 SEA ABB=ON PLU=ON FORMAMIDINE/CN

10/524,008

L29 3597 SEA ABB=ON PLU=ON RESORCINOL?/CNS
L30 715 SEA ABB=ON PLU=ON 1,3,5-TRIAZINE//CNS AND HYDROXYPHENYL?/
CNS
L31 1 SEA ABB=ON PLU=ON C7 H6 O2/MF AND L2
L32 1 SEA ABB=ON PLU=ON L2 AND C9 H7 N3 O/MF
L33 1 SEA ABB=ON PLU=ON L2 AND C13 H10 O2/MF
L34 1 SEA ABB=ON PLU=ON L2 AND C13 H10 O3/MF
L35 1 SEA ABB=ON PLU=ON L2 AND C30 H29 N3 O/MF
L36 1 SEA ABB=ON PLU=ON L2 AND C12 H9 N3 O/MF
L37 6 SEA ABB=ON PLU=ON (L31 OR L32 OR L33 OR L34 OR L35 OR
L36)

FILE 'HCAPLUS' ENTERED AT 15:55:02 ON 01 FEB 2008

L38 37964 SEA ABB=ON PLU=ON L37
L39 56 SEA ABB=ON PLU=ON L38 AND L18

FILE 'STNGUIDE' ENTERED AT 15:59:57 ON 01 FEB 2008

FILE 'HCAPLUS' ENTERED AT 16:01:12 ON 01 FEB 2008

L40 37964 SEA ABB=ON PLU=ON L37
L41 5696 SEA ABB=ON PLU=ON L26
L42 779 SEA ABB=ON PLU=ON L27
L43 499 SEA ABB=ON PLU=ON L28
L44 55309 SEA ABB=ON PLU=ON L29
L45 2271 SEA ABB=ON PLU=ON L30
L46 2 SEA ABB=ON PLU=ON L10 AND (L40 OR L41 OR L42 OR L43 OR
L44 OR L45)
L47 4 SEA ABB=ON PLU=ON L10 OR